

# INTERNATIONAL SEARCH REPORT

International Application No.  
NL2004/000213

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B01D53/86 B01D53/32 F01N3/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B01D F01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 357 223 B1 (CAREN ET AL) 19 March 2002 (2002-03-19) column 5, line 15 - column 13, line 65	1-13
A	US 5 254 231 A (HEATH ET AL) 19 October 1993 (1993-10-19) column 3, line 1 - column 3, line 18	1
A	US 4 695 358 A (MIZUNO ET AL) 22 September 1987 (1987-09-22) column 12, line 12 - column 12, line 15	1,4,5
A	US 5 179 053 A (SUBRAMANIAN) 12 January 1993 (1993-01-12) column 2, line 65 - column 3, line 8 column 3, line 64 - column 4, line 4	9-13

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

21 July 2004

Date of mailing of the international search report

29/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Doolan, G

# INTERNATIONAL SEARCH REPORT

International Application No  
NL2004/000213

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6357223	B1	19-03-2002	US 6047543 A 11-04-2000
		US 6029442 A 29-02-2000	
		US 5863413 A 26-01-1999	
		AU 5542999 A 14-02-2000	
		CA 2338261 A1 03-02-2000	
		EP 1101018 A2 23-05-2001	
		JP 2002530181 T 17-09-2002	
		WO 0004989 A2 03-02-2000	
		AU 9603098 A 27-04-1999	
		BR 9813853 A 19-09-2000	
		CA 2305238 A1 15-04-1999	
		CN 1281528 T 24-01-2001	
		DE 1021643 T1 19-04-2001	
		EP 1021643 A1 26-07-2000	
		JP 2001519497 T 23-10-2001	
		WO 9918333 A1 15-04-1999	
		US 6330794 B1 18-12-2001	
		US 6321531 B1 27-11-2001	
		ZA 9809145 A 20-10-1999	
		US 6048500 A 11-04-2000	
		US 6264899 B1 24-07-2001	
		US 2001028869 A1 11-10-2001	
US 5254231	A	19-10-1993	NONE
US 4695358	A	22-09-1987	AU 581554 B2 23-02-1989
		AU 6774487 A 02-06-1987	
		DK 348587 A 07-07-1987	
		EP 0244481 A1 11-11-1987	
		JP 63500020 T 07-01-1988	
		WO 8702909 A1 21-05-1987	
US 5179053	A	12-01-1993	CA 2081933 A1 09-05-1993
		MX 9205414 A1 01-05-1993	